

Human P16 (5A8A) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 252710

Unit: 0.1 mg

Description:

CDK4I or p16-INK4 (Cyclin-dependent kinase 4 inhibitor A) is a negative regulator of the proliferation of normal cells. It is interacting strongly with CDK4 and CDK6 and by subsequently inhibiting their interaction with cyclins D and retinoblastoma protein phosphorylation. Defects in p16-INK4 are involved in tumor formation in a wide range of tissues. These defects cause cutaneous malignant melanoma 2 (CMM2), familial atypical multiple mole melanoma-pancreatic carcinoma syndrome, melanoma-astrocytoma syndrome and Li-Fraumeni syndrome.

Isotype: Mouse IgG1

Applications: E, IHC, WB

Species Reactivity: H

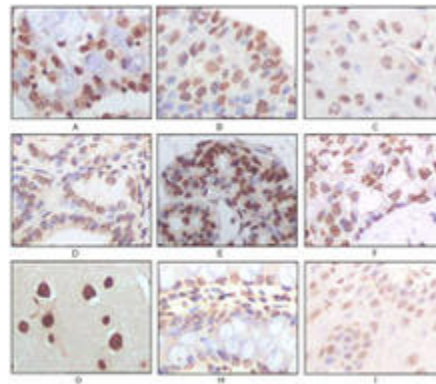
Format: Each vial contains 0.1 mg IgG in PBS pH7.4 with 0.03% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Human P16; P16; Cyclin-dependent kinase inhibitor 2A, isoforms 1/2/3; cyclin-dependent kinase inhibitor A; CDK4I; p16-INK4a; p16INK4A; p16-INK4; multiple tumor suppressor 1; MTS-1; CDKN2A; CDKN2; MTS1

Accession No.: P42771

Antigen: Purified recombinant fragment of P16 expressed in *E. coli*.

Application Notes: E: 1:10000; WB: 1:500-1:2000; IHC: 1:200-1:1000



Immunohistochemical analysis of paraffin-embedded human lung adenocarcinoma (A), esophageal squamous cell carcinoma (B), hepatic cell carcinoma (C), thyroid tumor (D), breast adenofibroma (E), breast infiltrating ductal carcinoma (F), normal cerebrum tissue (G), normal colon tissue (H), normal esophageal tissue (I), showing nuclear localization using Human P16 (5A8A) Antibody (Cat. No. 252710) with DAB staining.

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.